

ABSTRACT OF THE DISCLOSURE

The present invention concerns a microscope and an illumination device for a microscope that ensure optimal illumination in the standard (10X - 100X), scanning (1.6X - 5X), and macro (1X - 1.6X) ranges. The illumination system comprises only one condenser head that can be switched in or out and that can optimally illuminate the entire range from 1X to 100X, and a movably arranged focusing lens that ensures optimal adaptation of the illumination to the entrance pupil for all ranges.